

Mohamed Kouchaoui

Full-Stack Engineer | DevSecOps | Application Security

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Work Availability: Full-Time, Part-Time, and Contractor Engagements

Executive Profile

High-impact **Full-Stack and DevSecOps Engineer** with over 8 years of combined technical experience architecting resilient cloud platforms, automating enterprise GitOps pipelines, and engineering high-throughput, secure web APIs. Proven track record managing and securing **50+ Google Cloud Platform production environments** for a US marketing agency, standardizing secure infrastructure, and deploying enterprise applications with **Laravel, Symfony, and Next.js**. Experienced in backend engineering, software supply-chain security (**SBOM, Cosign, Trivy**), container orchestration (**Kubernetes, GKE, EKS, ArgoCD**), and production observability.

Technical Competencies

Full-Stack Development	PHP (Laravel, Symfony), Python (FastAPI, Flask), JavaScript/TypeScript (Next.js, React, Node.js), Go, REST APIs, GraphQL, and microservices architecture.
Cloud & Infrastructure	Google Cloud Platform, AWS, Docker, Kubernetes (GKE/EKS), Helm, Kustomize, Terraform, Linux administration, and Bash scripting.
DevSecOps & CI/CD	GitHub Actions, ArgoCD, Trivy, Clair, Cosign, Software Bill of Materials, HashiCorp Vault, GCP Secret Manager, Falco, and Cloud KMS.
Application Security	OAuth2, OpenID Connect, JWT, MFA, RBAC/ABAC, OWASP Top 10 mitigation, rate limiting, threat modeling, and audit logging.
Databases & Observability	PostgreSQL, MySQL, Redis, Prometheus, Grafana, Loki, ELK Stack, pandas, scikit-learn, Power BI, and SQL.

Professional Experience

DevSecOps & Full-Stack Engineer (Contractor)

Apr 2024 – Mar 2026

Sneeze.it, US Digital Agency

Remote

- Provisioned, governed, and hardened **50+ GCP multi-tenant production environments**, including Linux security patching, firewall configuration, backups, and disaster-recovery procedures.
- Engineered CI/CD and GitOps pipelines with **GitHub Actions and ArgoCD**, delivering containerized services to **Google Kubernetes Engine** through Helm and Kustomize.
- Strengthened the software supply chain with automated vulnerability scanning using **Trivy and Clair**, container signing with **Cosign**, and SBOM generation.
- Designed secure REST APIs with **Laravel and Symfony**, incorporating OAuth2, JWT, MFA, fine-grained RBAC/ABAC, rate limiting, and audit logging.
- Implemented GCP IAM, HashiCorp Vault, GCP Secret Manager, Cloud KMS encryption, and Falco runtime security.
- Built production monitoring and log aggregation with **Prometheus, Grafana, and Loki**.

Freelance DevSecOps Engineer

Apr 2026 – May 2026

PC HALLE

Khouribga, Morocco

- Architected an internal service-desk platform with **Laravel and MySQL**, automating ticket routing, SLA management, role-based permissions, and audit trails.
- Streamlined approximately **75%** of internal support workflows through automation.
- Automated industrial label printing by integrating **BarTender 2022** with internal ERP data sources.
- Containerized services with Docker Compose, hardened Linux environments, and configured encrypted backups.

Data & Software Engineer

Sep 2023 – Sep 2024

Unigence

Tangier, Morocco

- Developed ETL pipelines for heterogeneous datasets using **Python, pandas, and SQL**.
- Built classification and forecasting models with **scikit-learn and R**.
- Created business-intelligence dashboards and KPI monitoring systems with **Power BI**.
- Managed data projects from business scoping and modelling through deployment and monitoring.

Software Engineer

Jun 2023 – Sep 2024

Snazzy Marketplace

Tangier, Morocco

- Built e-commerce platform components, including catalog, checkout, and transaction-processing workflows.
- Integrated an automated customer-support assistant using the **OpenAI API**.
- Implemented inventory and catalog synchronization with the **Walmart Marketplace API**.
- Developed scalable **Symfony REST APIs** with Redis caching and asynchronous workers.

Full-Stack Web Developer (Freelance)
Independent Contractor

May 2016 – Apr 2021
Remote

- Delivered responsive websites, custom content-management solutions, lead-capture forms, and external API integrations for small-business clients through Hsoub and Freelancer.com.
- Managed requirements, database design, front-end implementation, SSL/TLS configuration, and web-server deployment.

Education

Professional Master’s in Full-Stack & DevOps Supemir School, Casablanca	2022 – 2025
Engineer’s Degree in Back-End Engineering Holberton School	2023 – 2024
Computer Science & Software Engineering 42 Heilbronn, Germany	2022 – 2024
Specialized Diploma in Electronics Maintenance ISTA Khouribga	2019 – 2021

Certifications & Languages

Certifications	Google Cloud Professional Cloud DevOps Engineer AWS Certified Security – Specialty Data Engineer Associate
Languages	Arabic (Native) English (Professional) French (Working) German (Elementary)